

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Klaus Cichutek et al. Art Unit : 1648
Serial No. : 09/555,350 Examiner : U. Winkler
Filed : May 26, 2000
Title : CELL-SPECIFIC RETROVIRAL VECTORS WITH ANTIBODY DOMAINS AND
METHOD FOR THE PRODUCTION THEREOF FOR SELECTIVE GENE TRANSFER

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TECH CENTER 1600/2900
02 SEP 23 AM 10:52

Commissioner for Patents
Washington, D.C. 20231

VERIFIED STATEMENT UNDER 37 CFR §1.821(f)

I, Katica Magovcevic, declare that I personally prepared the computer-readable copy of the Sequence Listing filed herewith for the above-identified application and that the content of both the paper copy of the Sequence Listing filed on February 28, 2002 and the computer copy of the Sequence Listing filed herewith is the same.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of The United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 9/19/02

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Boston, Massachusetts 02110-2804
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20510319.doc

CERTIFICATE OF DELIVERY BY HAND

I hereby certify that this correspondence is being delivered by hand on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

9/23/02
Date of delivery
Emmanuel T. Woodfork
Signature
Emmanuel T. Woodfork
Typed or Printed Name of Person Signing Certificate

Winkler

1600 RUSA

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/555,350B

CRF Processing Date: 9/23/2002
Edited by: [signature]
Verified by: [signature] (STIC staff)

ENTERED

#15

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: Sequence 13 - corrected <2237 response



1600

RAW SEQUENCE LISTING

DATE: 09/23/2002

PATENT APPLICATION: US/09/555,350B

TIME: 16:50:34

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Output Set: N:\CRF4\09232002\I555350B.raw

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5   Engelstadter, Martin
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8   METHOD FOR THE PRODUCTION THEREOF FOR SELECTIVE GENE TRANSFER
10 <130> FILE REFERENCE: 11692-004001
12 <140> CURRENT APPLICATION NUMBER: US 09/555,350B
13 <141> CURRENT FILING DATE: 2000-05-26
15 <150> PRIOR APPLICATION NUMBER: PCT/DE98/03543
16 <151> PRIOR FILING DATE: 1998-11-27
18 <150> PRIOR APPLICATION NUMBER: DE 197 25 854.6
19 <151> PRIOR FILING DATE: 1997-11-28
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RAW SEQUENCE LISTING

DATE: 09/23/2002

PATENT APPLICATION: US/09/555,350B

TIME: 16:50:34

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RAW SEQUENCE LISTING DATE: 09/23/2002
 PATENT APPLICATION: US/09/555,350B TIME: 16:50:34

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RAW SEQUENCE LISTING

DATE: 09/23/2002

PATENT APPLICATION: US/09/555,350B

TIME: 16:50:34

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Output Set: N:\CRF4\09232002\I555350B.raw

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240      100      105      110
241 Ile Asn Asp Leu Gln Asp Gln Ile Asp Ser Leu Ala Glu Val Val Leu
242      115      120      125
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244      130      135      140
245 Cys Leu Ala Leu Gln Glu Lys Cys Cys Phe Tyr Ala Asn Lys Ser Gly
246 145      150      155      160
247 Ile Val Arg Asp Lys Ile Arg Lys Leu Gln Glu Asp Leu Ile Glu Arg
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249 Lys Arg Ala Leu Tyr Asp Asn Pro Leu Trp Ser Gly Leu Asn Gly Phe
250      180      185      190
251 Leu Pro Tyr Leu Leu Pro Leu Leu Gly Pro Leu Phe Gly Leu Ile Leu
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VERIFICATION SUMMARY

DATE: 09/23/2002

PATENT APPLICATION: US/09/555,350B

TIME: 16:50:35

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09232002\I555350B.raw



1600

RAW SEQUENCE LISTING

DATE: 09/23/2002

PATENT APPLICATION: US/09/555,350B

TIME: 14:36:22

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4 <110> APPLICANT: Cichutek, Klaus
 5 Engelstadter, Martin
 7 <120> TITLE OF INVENTION: CELL-SPECIFIC RETROVIRAL VECTORS WITH ANTIBODY DOMAINS AND
 8 METHOD FOR THE PRODUCTION THEREOF FOR SELECTIVE GENE TRANSFER
 10 <130> FILE REFERENCE: 11692-004001
 12 <140> CURRENT APPLICATION NUMBER: US 09/555,350B
 13 <141> CURRENT FILING DATE: 2000-05-26
 15 <150> PRIOR APPLICATION NUMBER: PCT/DE98/03543
 16 <151> PRIOR FILING DATE: 1998-11-27
 18 <150> PRIOR APPLICATION NUMBER: DE 197 25 854.6
 19 <151> PRIOR FILING DATE: 1997-11-28
 21 <160> NUMBER OF SEQ ID NOS: 35
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 55 tacacttgct ggtggaacgg ggcttggggt ctccgttcac acttatcaca agctctctaa 1320
 56 tcaattgatt gaagatgtcc aggcctcttc agggaccatc aatgacctac aggaccagat 1380

Does Not Comply
Corrected Diskette Needed

P.S

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/555,350B

DATE: 09/23/2002

TIME: 14:36:22

Input Set : A:\11692-004001.txt

Output Set: N:\CRF4\09232002\I555350B.raw

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62	gactcgcat	atacatgaca	aaattcaggc	agtaaaatcc	tagcactagt	cccacagtac	1740
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66	acattgatga	gtttggacaa	accacaacta	gaatgcagtg	aaaaaaatgc	tttattttgt	1980
67	aaattttgtga	tgtatttgc	ttattttgtaa	ccattataag	ctgcaataaa	caagttaaca	2040
68	acaacaattg	cattcatttt	atgtttcagg	ttcaggggga	ggtgtgggag	gttttttaaa	2100
69	gcaagtaaaa	cctctacaaa	tcaagctggg	caagctagat	ctagcttggc	gtaatcatgg	2160
70	tcatagctgt	ttcctgtgtg	aaattgttat	ccgctcacaa	ttccacacaa	catacgagcc	2220
71	ggaagcataa	agtgtaaagc	ctgggggtgc	taattagtgta	gctaactcac	attaattgcg	2280
72	ttgcgctcac	tgcccgcttt	ccagtcggga	aacctgtcgt	gccagctgca	ttaatgaatc	2340
73	ggccaacgcg	cggggagagg	cggtttgcgt	attgggcgct	cttcgccttc	ctcgcctact	2400
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104	tattgaagca	tttatcaggg	ttattgtctc	atgagcggat	acatatttga	atgtatttag	4260
105	aaaaataaac	aaataggggt	tccgcgcaca	tttccccgaa	aagtgccacc	tgacgtctaa	4320

RAW SEQUENCE LISTING

DATE: 09/23/2002

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TIME: 14:36:22

Input Set : A:\11692-004001.txt

Output Set: N:\CRF4\09232002\I555350B.raw

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108 acagcttgtc tgtaagcgga tgccgggagc agacaagccc gtcagggcgc gtcagcgggt      4500
109 gttggcgggt gtcggggctg gcttaactat gcggcatcag agcagattgt actgagagt      4560
110 caccatatgc ggtgtgaaat accgcacaga tgcgtaagga gaaaataccg catcaggcgc      4620
111 cattcgccat tcaggctgcg caactgttg gaagggcgat cggtgcgggc ctcttcgcta      4680
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122 <223> OTHER INFORMATION: Synthetically generated peptide
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156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial sequence
159 <220> FEATURE:
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167 <210> SEQ ID NO: 6
168 <211> LENGTH: 12
169 <212> TYPE: PRT

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RAW SEQUENCE LISTING

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Input Set : A:\11692-004001.txt

Output Set: N:\CRF4\09232002\I555350B.raw

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224 <223> OTHER INFORMATION: Synthetically generated peptide
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230           20           25           30
231 Thr Ala Glu Val Ser Thr Ala Gly Ser Gly Gly Gly Gly Ser Gly Gly
232           35           40           45
233 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Ala Ser Pro

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TIME: 14:36:22

Input Set : A:\11692-004001.txt

Output Set: N:\CRF4\09232002\I555350B.raw

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235 Val Gln Phe Ile Pro Leu Leu Val Gly Leu Gly Ile Ser Gly Ala Thr
236 65      70      75      80
237 Leu Ala Gly Gly Thr Gly Leu Gly Val Ser Val His Thr Tyr His Lys
238      85      90      95
239 Leu Ser Ala Asn Gln Leu Ile Glu Asp Val Gln Ala Leu Ser Gly Thr
240      100      105      110
241 Ile Asn Asp Leu Gln Asp Gln Ile Asp Ser Leu Ala Glu Val Val Leu
242      115      120      125
243 Gln Asn Arg Arg Gly Leu Asp Leu Leu Thr Ala Glu Gln Gly Gly Ile
244      130      135      140
245 Cys Leu Ala Leu Gln Glu Lys Cys Cys Phe Tyr Ala Asn Lys Ser Gly
246 145      150      155      160
247 Ile Val Arg Asp Lys Ile Arg Lys Leu Gln Glu Asp Leu Ile Glu Arg
248      165      170      175
249 Lys Arg Ala Leu Tyr Asp Asn Pro Leu Trp Ser Gly Leu Asn Gly Phe
250      180      185      190
251 Leu Pro Tyr Leu Leu Pro Leu Leu Gly Pro Leu Phe Gly Leu Ile Leu
252      195      200      205
253 Phe Leu Thr Leu Gly Pro Cys Ile Met Lys Thr Leu Thr Arg Ile Ile
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255 His Asp Lys Ile Gln Ala Val Lys Ser
256 225      230
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263 <220> FEATURE:
264 <223> OTHER INFORMATION: Synthetically generated peptide
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284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Synthetically generated primer peptide
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VERIFICATION SUMMARY

DATE: 09/23/2002

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